

FIG. 2

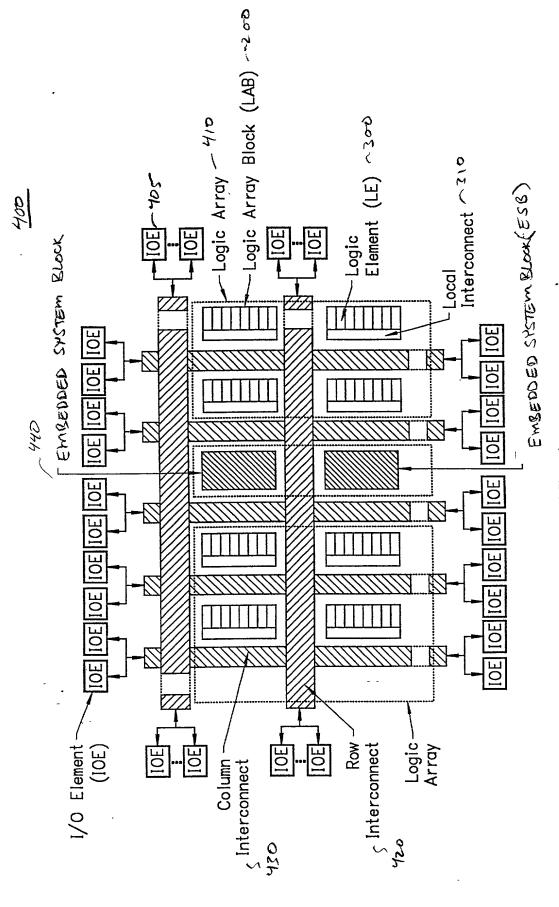


FIG. 4

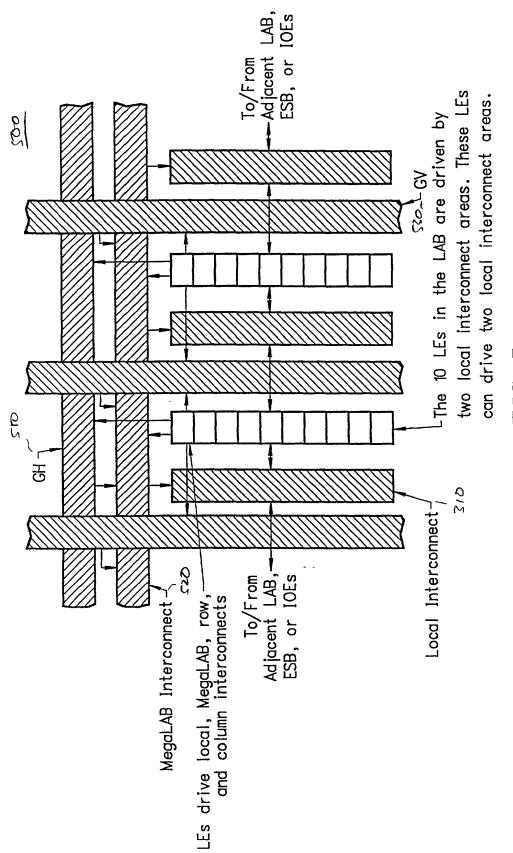


FIG. 5

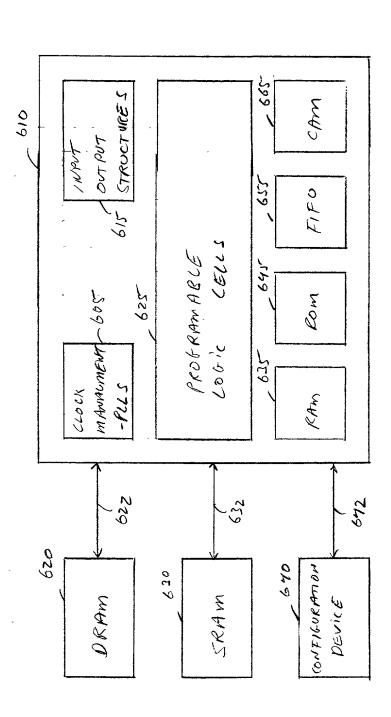
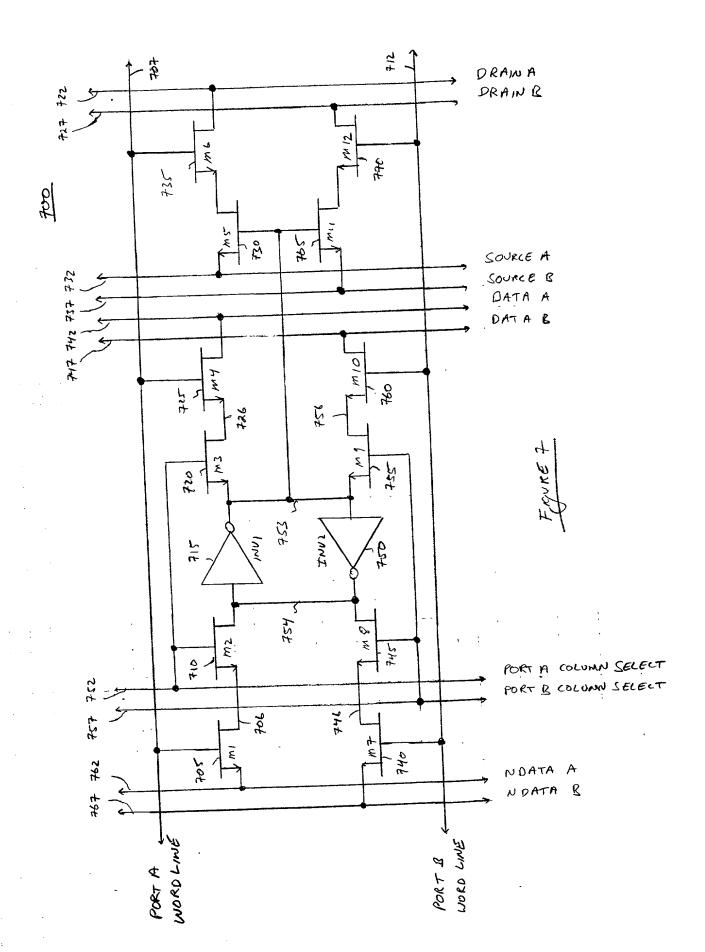


Figure 6



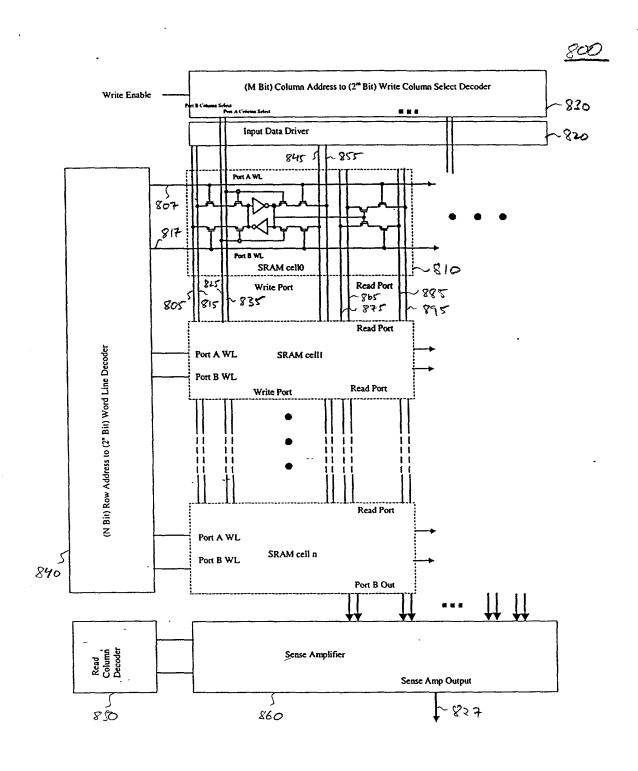
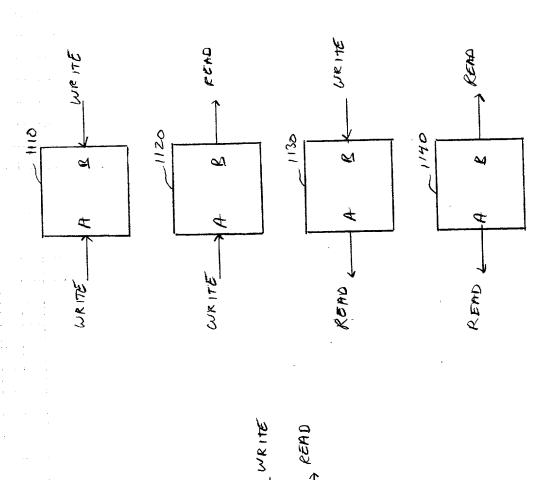


FIGURE 8

	900
SELECT A PORT	905
PROVIDE A DATA RIT ON A DATA LINE AND A COMPLEMENT OF THE DATA RIT ON A COMPLEMENTARY DATA LINE	~910
SELECT A READ/WRITE WORD LINE THE FIRST PORT	-915
ACTIVATE A FIRST DEVICE COUPLED TO THE DATA LINE	920
ACTIVATE A SECOND DEVICE COUPLED TO THE COMPLEMENTARY DATA LINE	925
ASSERT A WRITE ENABLE	950
SELECT A COLUMN SELECT LINE OF THE FIRST PORT	935
ACTIVATE A THIRD DEVICE, COUPLED BETWEEN THE FIRST DEVICE AND A FIRST NODE OF A MEMORY CELL	940
ACTIVATE A FOURTH DEVICE, COUPLED BETWEEN THE SECOND DEVICE AND A SECOND NOOF OF THE MEMORY CELL	945
DE- ASSERT WRITE ENABLE	G28 -
DE-ACTIVATE THIRD DEVICE	J- 955
DE-ACTIVATE POURTH DEVICE	760
DE-SELECT WOLUMN SELECT LINE	J-965
DE-SELECT WORD LINE	970
FIGURE 9	

1000 PORT SELECT 1010 A READ/WRITE WORD LINE A FIRST DEVICE ACTIVATE COUPLED TO A FIRST READ 1030 BUTPUT LINE SELECT A SENSE AMPLIFIER COUPLED TO THE FIRST READ 1040 LINE SENSE AN IMPEDENCE RETWEEN THE FIRST READ OUT PUT LINE AND A SECOND READ OUTPUT 1050 LINE OUTPUT A BIT HAVING A FIRST POLARITY IF THE IMPEDENCE - 1060 is H1614 OUT PUT A BIT HAVING A SECOND POLARITY IF THE IMPEDENCE 1070 is Low

FAURE 10



1100

M

WRITE

READ

Fores 11

PROVIDE A COMPARAND AT THE MEMORY WORD LINES, THE COMPARAND DRIVING THE EVEN WORD LINES, AND A COMPLEMENT OF THE COMPARAND DRIVING THE ODD WORD LINES.

DETERMINE THE PARALLEL
IMPEDENCE OF THE READ (ELLS -123
IN THE COLUMN

FOR EACH COLUM IN MEMORY,
OUTPUTING A BIT HAVING A
FIRST POZARITY IF THE IMPEDENCE
IS HIGH

FOR EACH COLUMN IN MEMORY,
OUTPUTTING A BIT HAYING A _1250
SECOND POLARITY IF THE IMPEDENCE
IS LOW

COMPARAND
PRODUCT TERM
STORED IN MEMORY
1340

1 7 0 A

1 7 0 B

1 7 0 C

1 7

SA MATCH" OCCURS WHEN A=1, 8=1,

FIGURE 13

INPUT

HILH IMPEDENCE SENSE AMPLIFIER

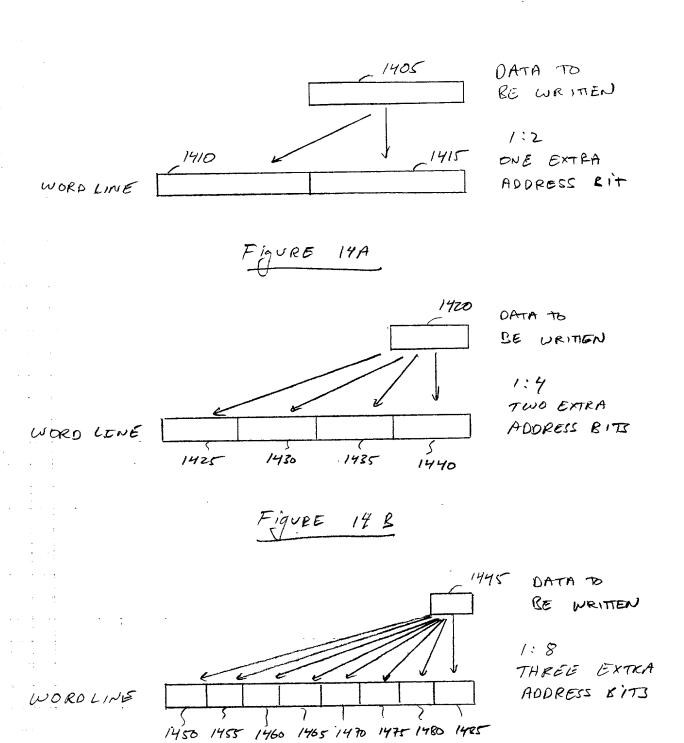
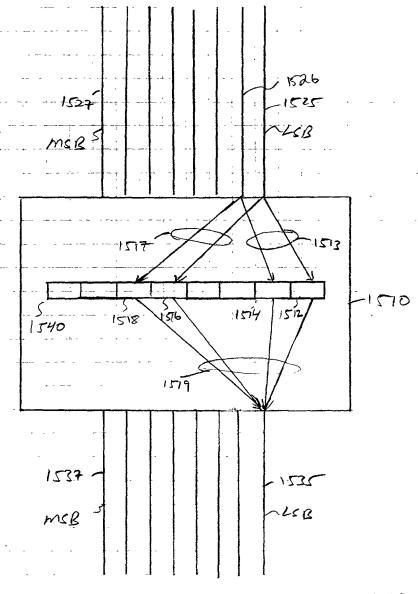


Figure 14c

INPUT DATA BUS ~ 1520



OUTPUT DATA RUS - 1530

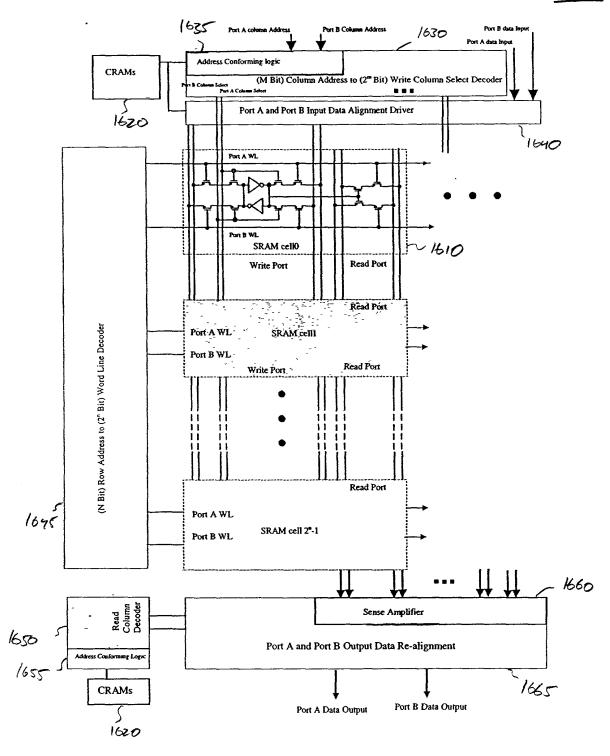
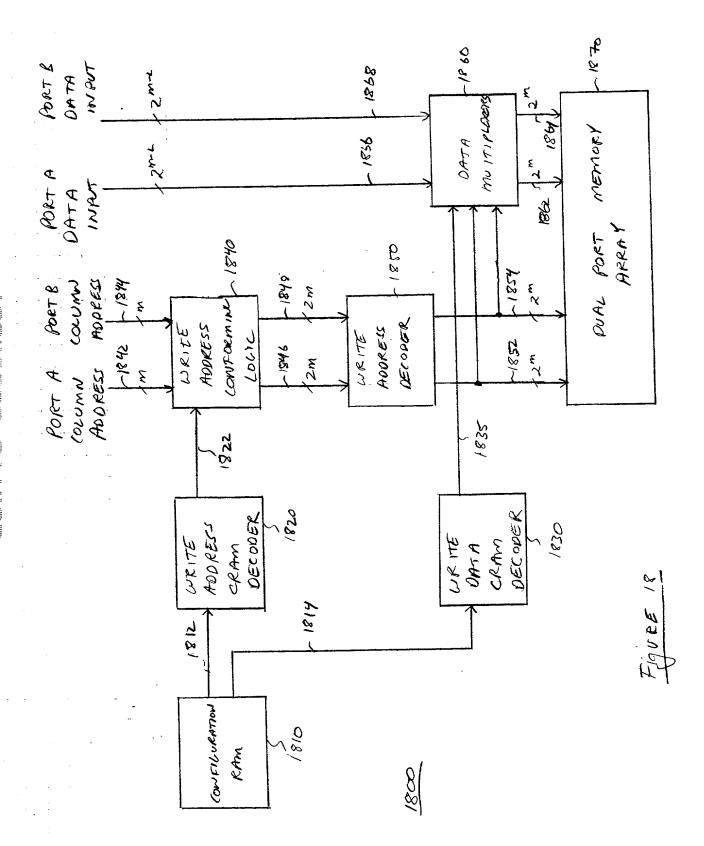


FIGURE 16



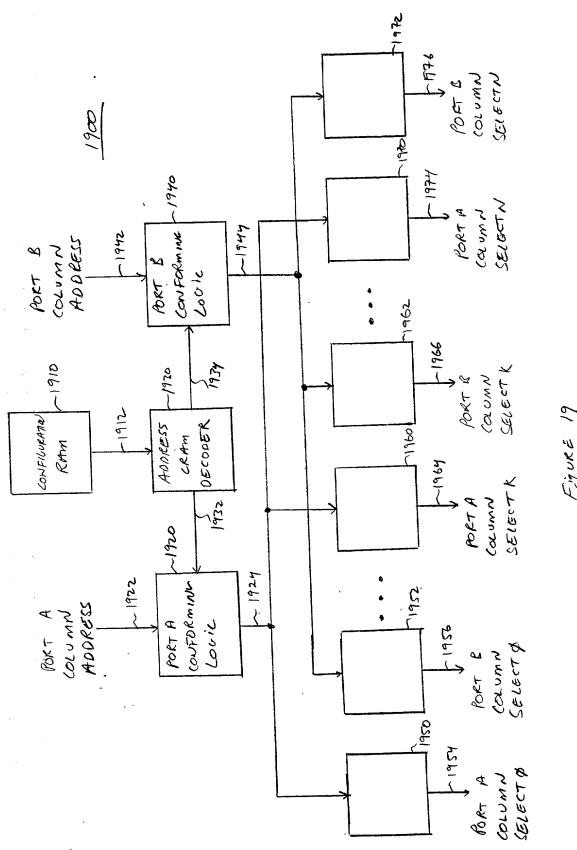


Figure 19

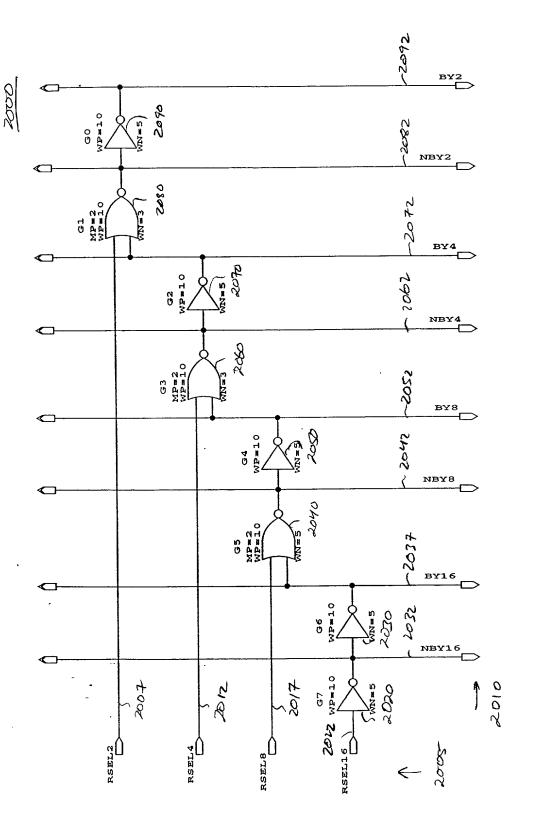
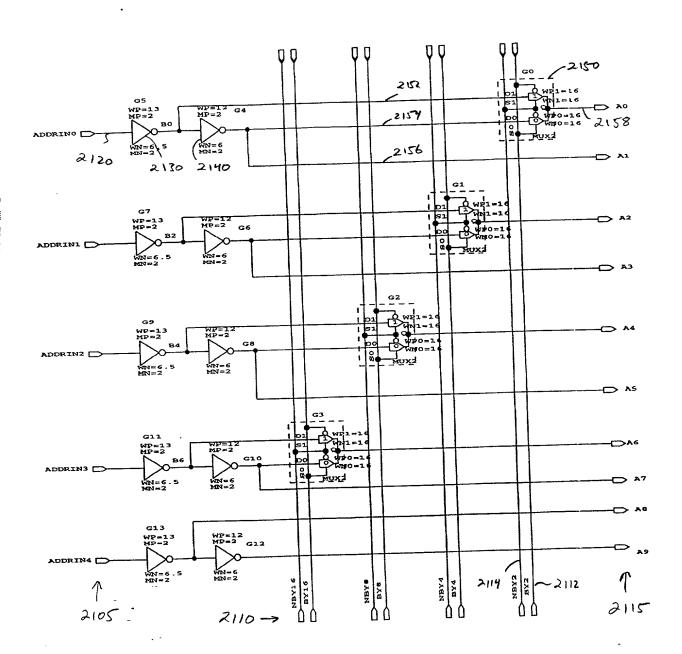
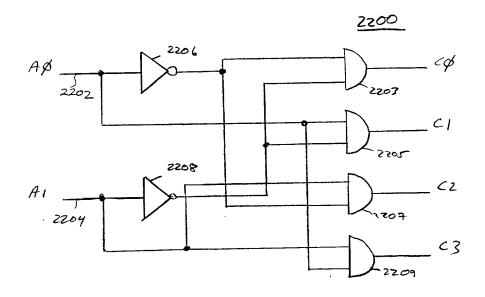


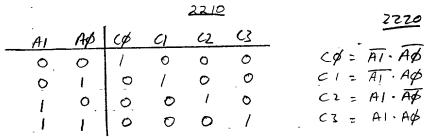
FIGURE 20

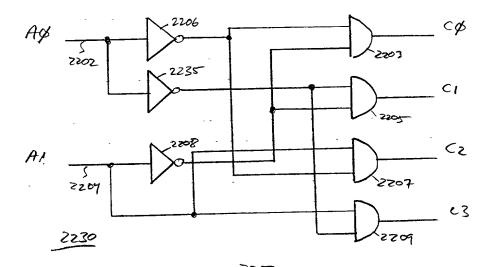


· y w

Figure 2)







	225	_					
2240	AI	AØ	Cø	CI	62	C3	
CØ = AI. AØ	0	0	1	1	0	O	~2252
CI: AI. AP	0	1	0	0	0	0	- 2254
cz: Al. Ap	1	0	0	0	1	ŧ	-2256
C3: A1.A4							-2258

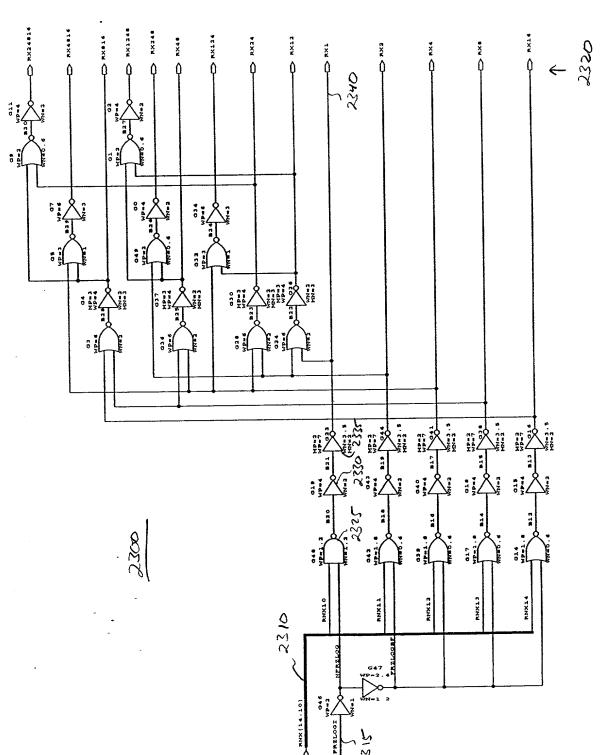


Figure 23

•

4			-	Facke
2410	2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	2446 TYPE MUR	8:1
	5 4 3 2 1/ 1 4 675/word	44444 484 484 48104818	2447	8,76,5,4,3,2,1
11.	2437 MCX	- MM 2 M OH 00	- 7447 W.X.X.	4. M U O

Faure 24

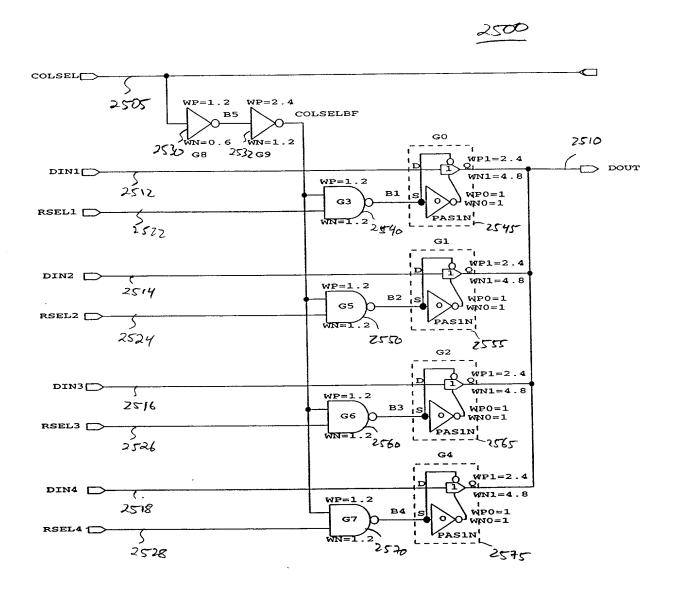
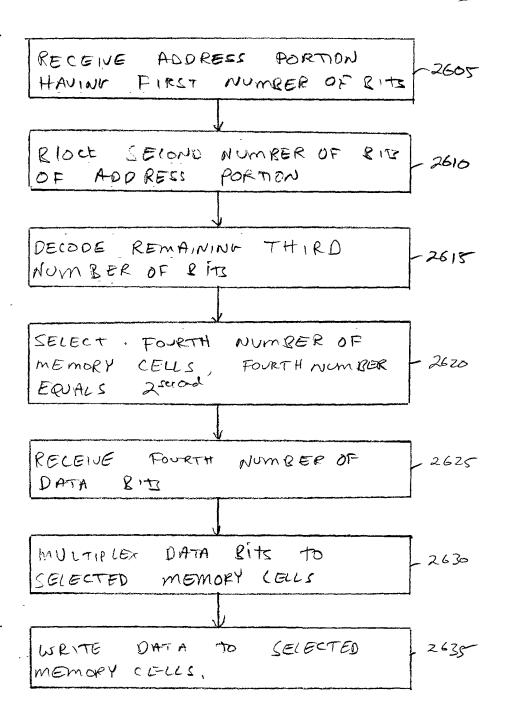
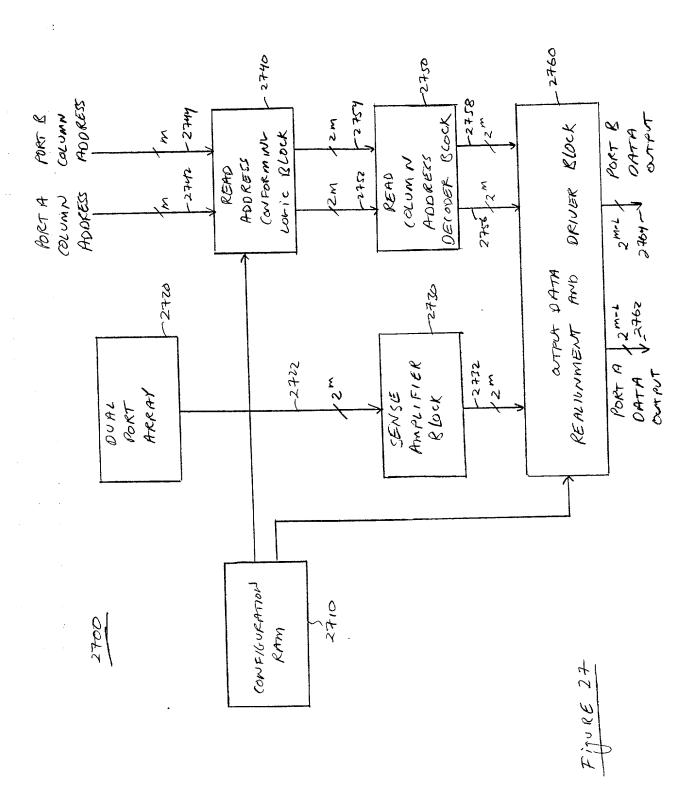
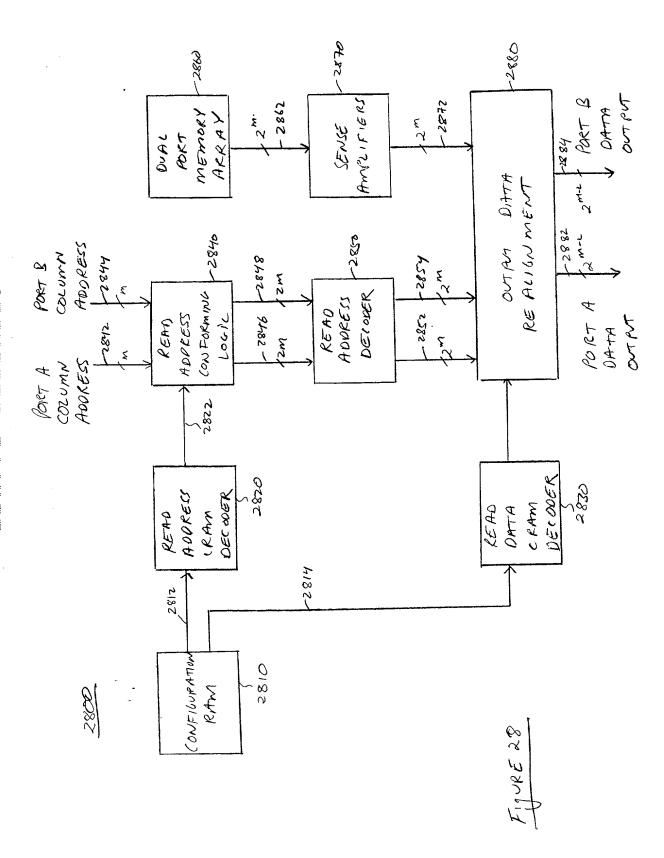
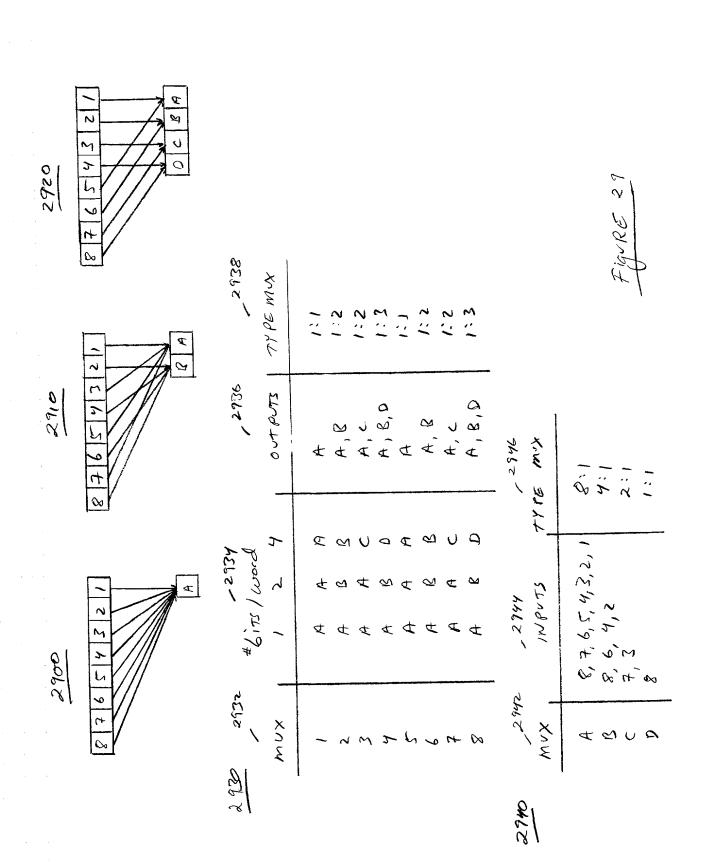


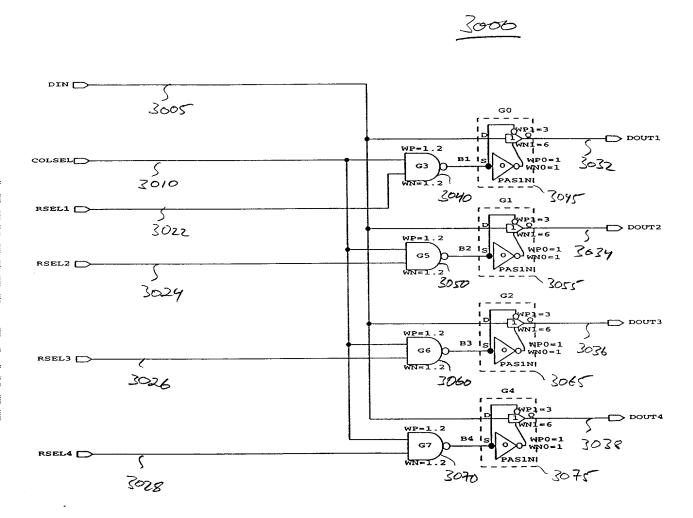
FIGURE 25











FIJURE 30

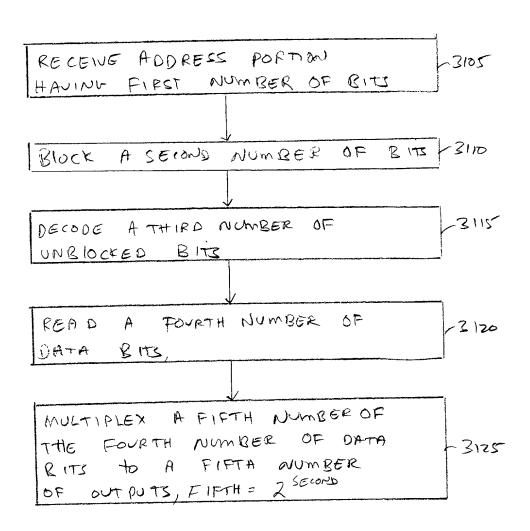


FIGURE 31